App No.:

09/653,/61

3: Inventors: Arrays and Photolithograp. Stephen P. A. Fodor, *et al.*

EXPERIMENT POSITION SYNTHESIS-MATRIX TARGET MATRIX VS SEQUENCE FILES SEQUENCE VS HYBRID INTENSITY SCANNING POSITION ⇒VS HYBRID FILE FILE INTENSITY TARGET SEO INFO HYBRIDS OF TARGET **FILES** SEQUENCING AUGNMENT (OR ALGORITHM) SOLUTION

FIGURE 1

09/653,761 Arrays and Photolithographic . . Stephen P. A. Fodor, *et al*. App No.: Title: Inventors:

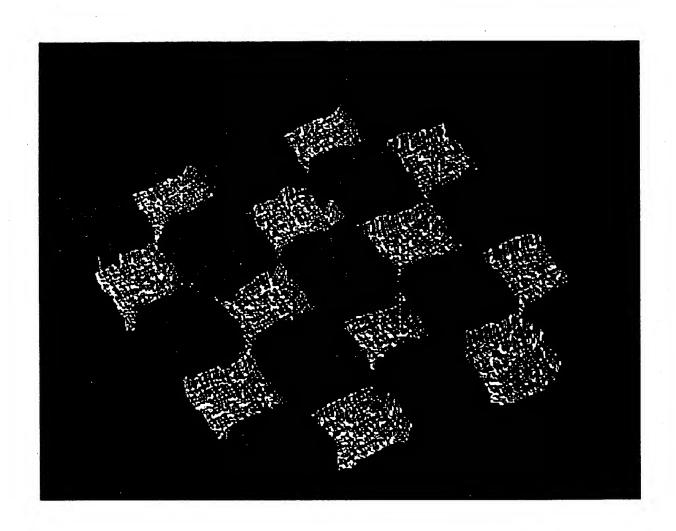


Figure 2

App No.: Title: Inventors:

09/653,761

Arrays and Photolithographic. . . Stephen P. A. Fodor, *et al*.

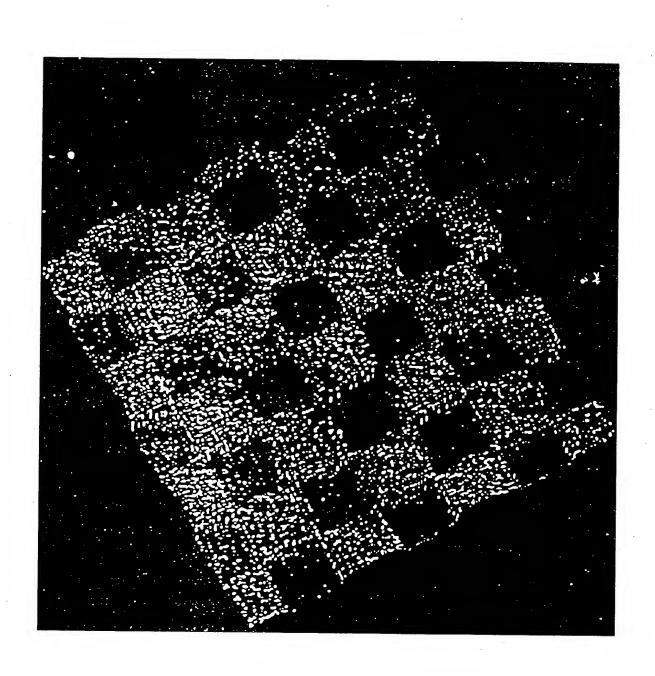


figure 3

Inventors: Stephen P. A. Fodor, et al. (26 (24 528 20 ~ 34 32 30 36-FIG. 4B FIG. 4A 24 hv 26 28 C C C C. FIG. 4C FIG. 4D hv _26 C C C C 1 T T FIG. 4E FIG. 4F 124 hv CC CC C C T T TC TC FIG. 4G FIG. 4H - 28 CC CC CT CT TC TC TT TT FIG. 41 FIG. 4J hy /26 CC CTC CT CCC CTC CTT CCC CCT TCC TC TTC TCC TCT TTC FIG 4K

App No.:

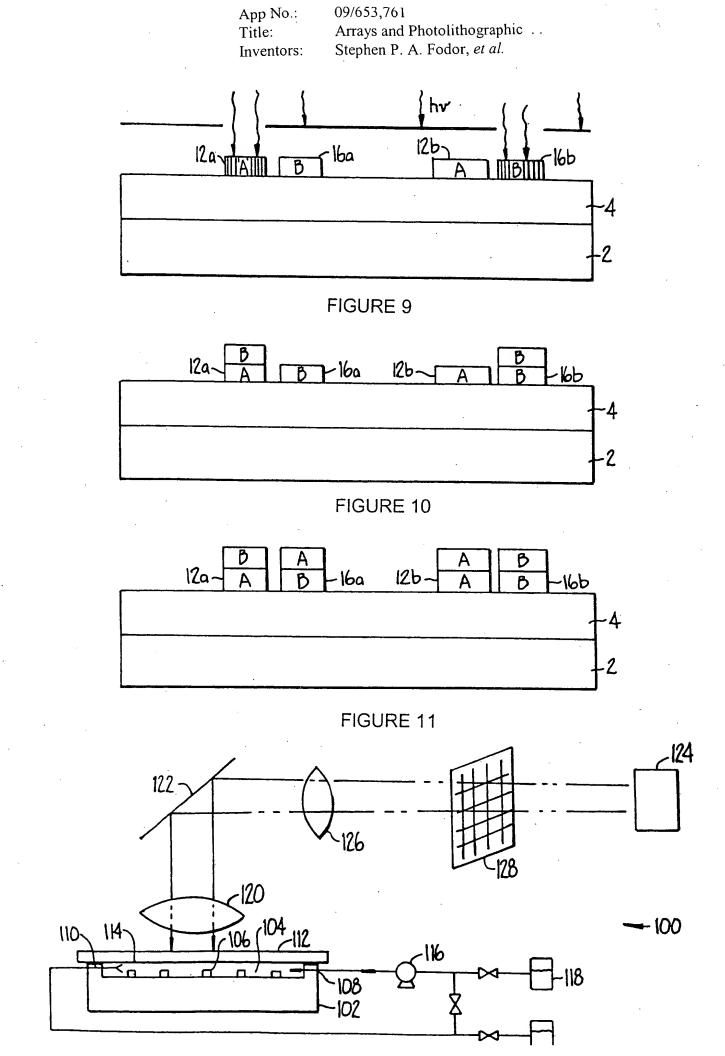
Title:

09/653,761

Arrays and Photolithographic . .

App No.: 09/653,761 Title: Arrays and Photolithographic. . . Inventors: Stephen P. A. Fodor, et al. ·10b 10a FIGURE 5 120 -12b FIGURE 6 hv -126 -12a -14b -Ha -2 FIGURE 7 -12a -16a

FIGURE 8



App No.: 09/653,761

Title: Arrays and Photolithographic . .

Inventors: Stephen P. A. Fodor, et al.

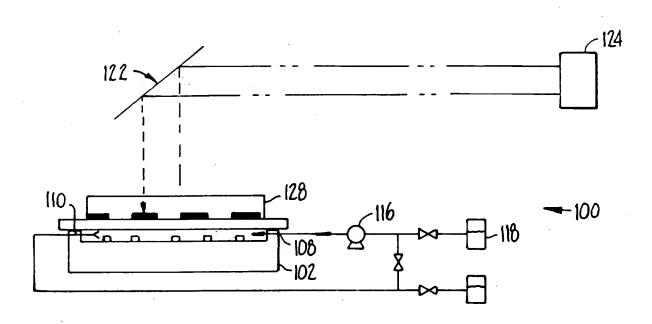


FIG. 12B

App No.: 09/653,761

Title: Arrays and Photolithographic. . .

Inventors: Stephen P. A. Fodor, et al.

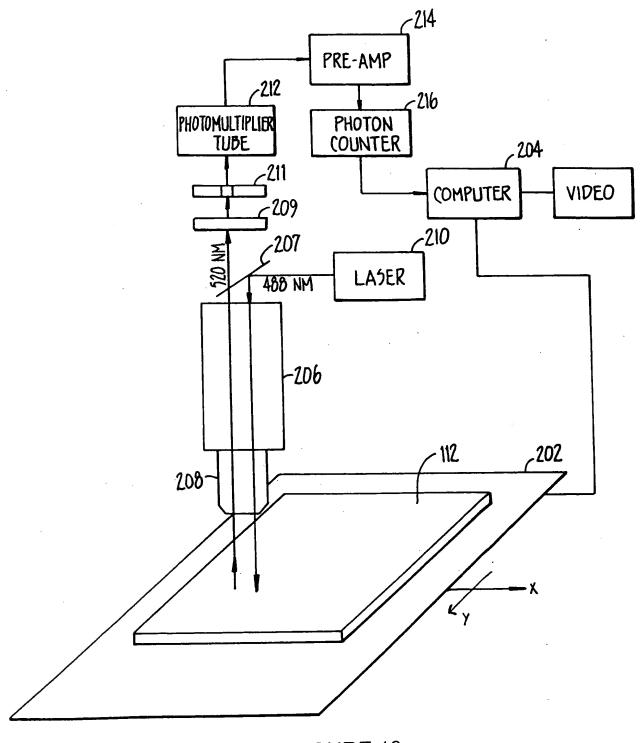


FIGURE 13

App No.: 09/653,761 Arrays and Photolithographic. . . Title: Stephen P. A. Fodor, et al. Inventors: <u>30</u> 36 FIG. 14B

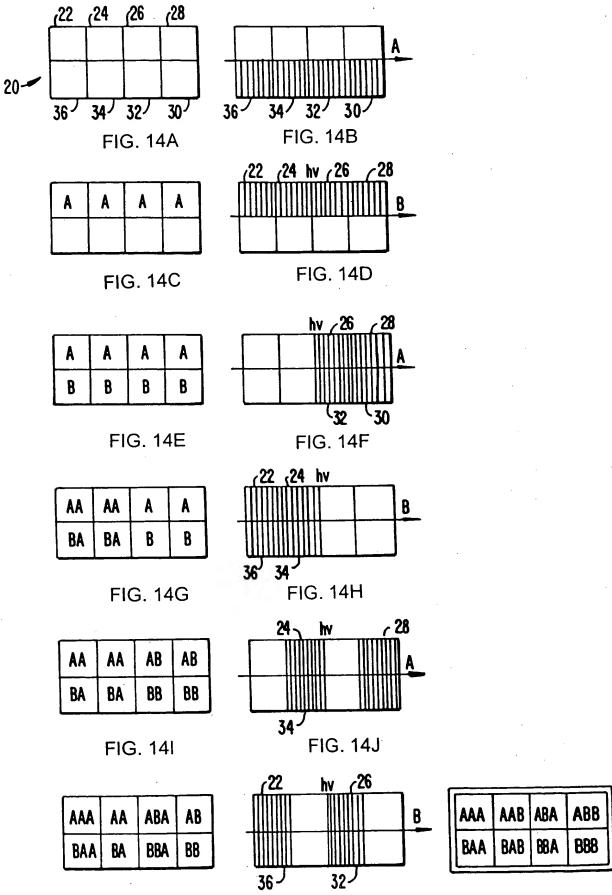
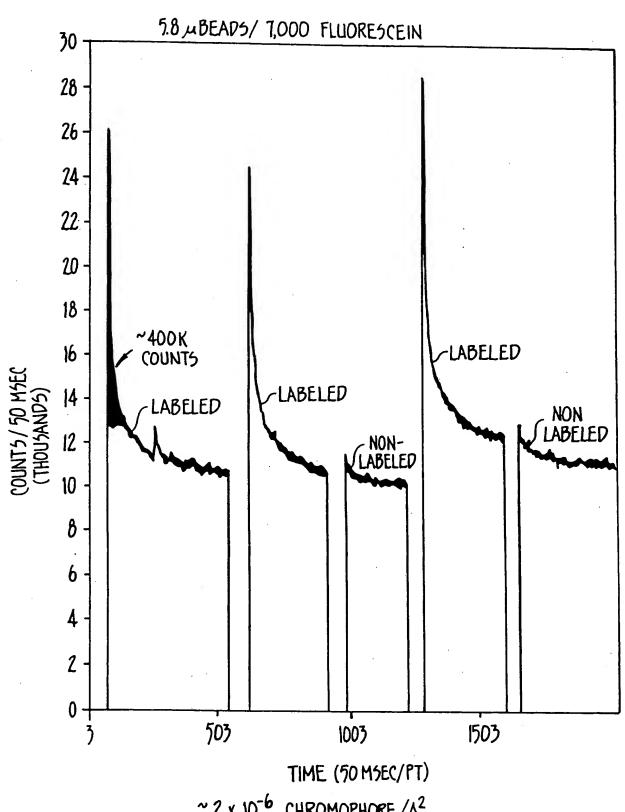


FIG. 14M EIG 1/1

App No.: 09/653,761

Title: Arrays and Photolithographic ...

Inventors: Stephen P. A. Fodor, et al.



~2 x 10-6 CHROMOPHORE/A2 FIGURE 15A

App No.:

09/653,761

Title: Inventors:

Arrays and Photolithographic ... Stephen P. A. Fodor, et al.

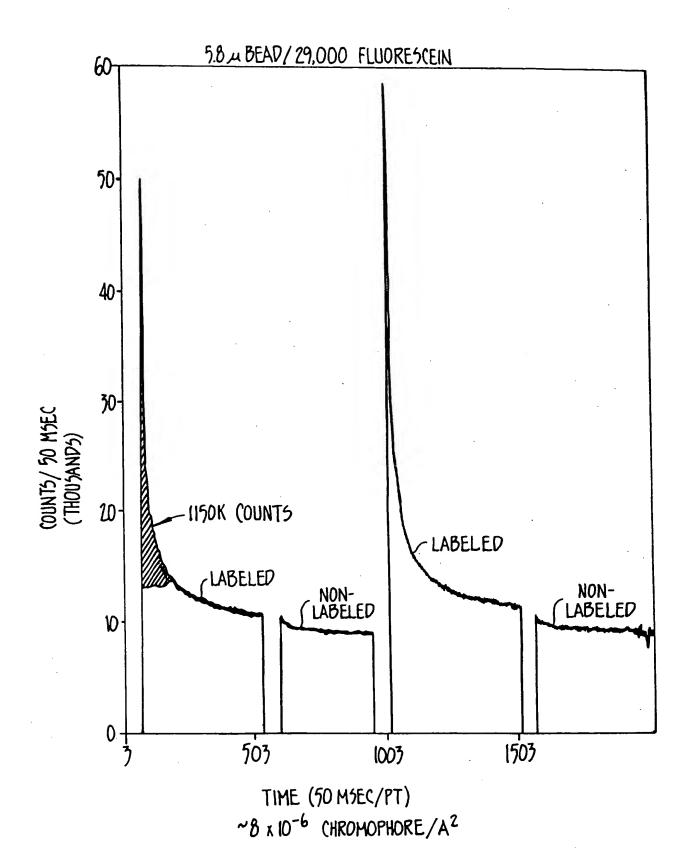


FIGURE 15B

App No.: Title: 09/653,761

Arrays and Photolithographic. . . Stephen P. A. Fodor, *et al.* App Inventors:

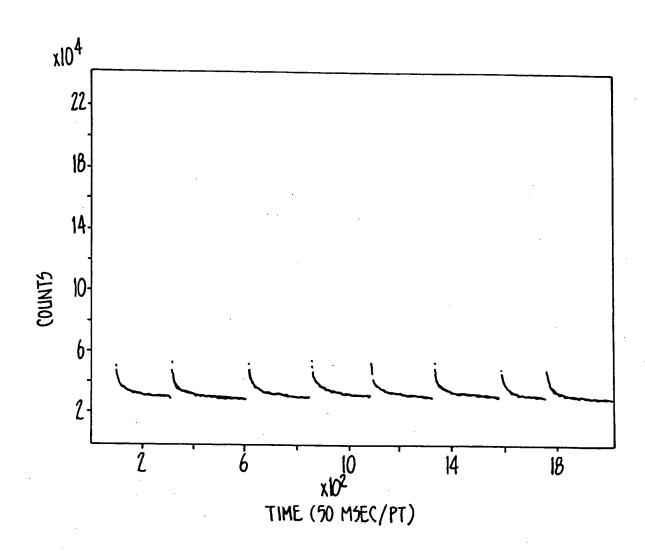


FIGURE 16A

App No.: Title:

09/653,761

Arrays and Photolithographic . . Stephen P. A. Fodor, *et al*.

Inventors:

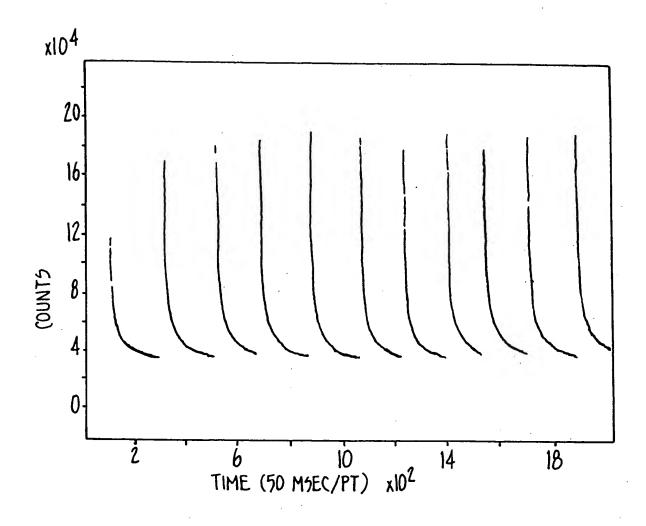


FIGURE 16B

App No.: 09/653,761

Title: Arrays and Photolithographic . . Inventors: Stephen P. A. Fodor, et al.

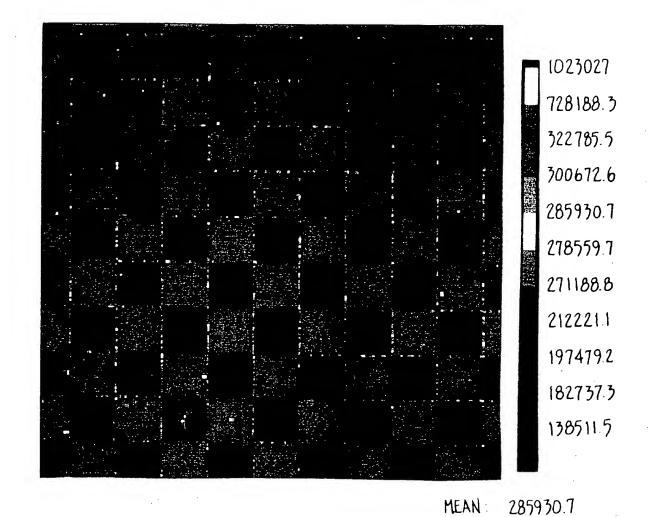


FIG. 17A

2.173242E+10

147419.2

VAR:

σ:

Title:
Inventors:

Arrays and Photolithographic. . . Stephen P. A. Fodor, *et al.*

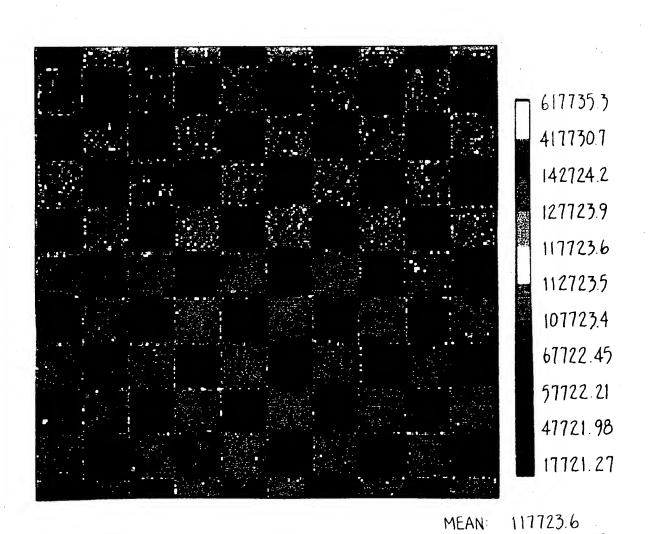


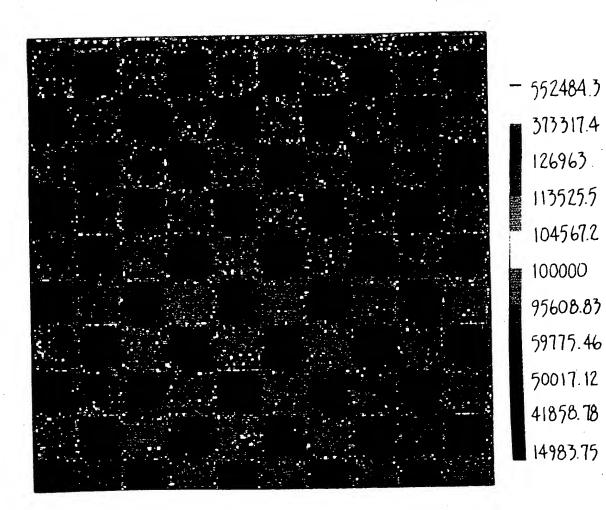
FIG. 17B

1.000047E+10 100002.3

VAR: σ: App No.: Title:

09/653,761

Arrays and Photolithographic . . Stephen P. A. Fodor, et al. Inventors:



MEAN:

VAR:

104567.2 8.025189E+09 89583.42

17C FIG.

App No.: 09/653,761 Title: Arrays and Photolithographic . .

Stephen P. A. Fodor, et al. Inventors:

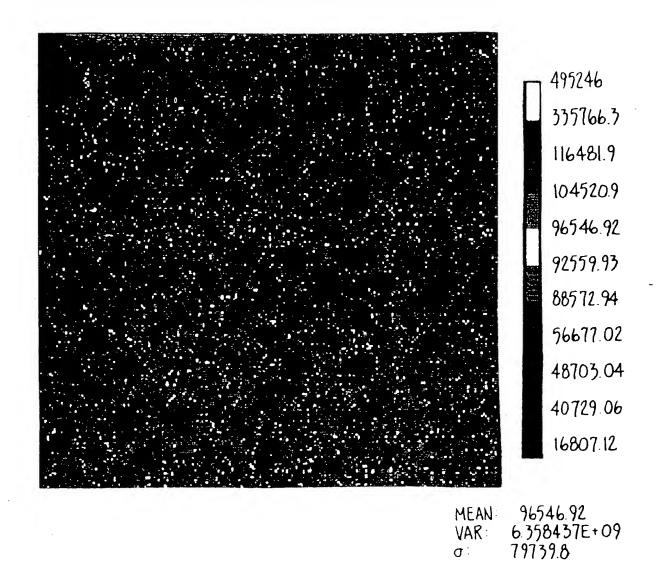


FIG. 17D

σΞ

App No.:

09/653,761

Title:

Arrays and Photolithographic. . .

Inventors:

Stephen P. A. Fodor, et al.

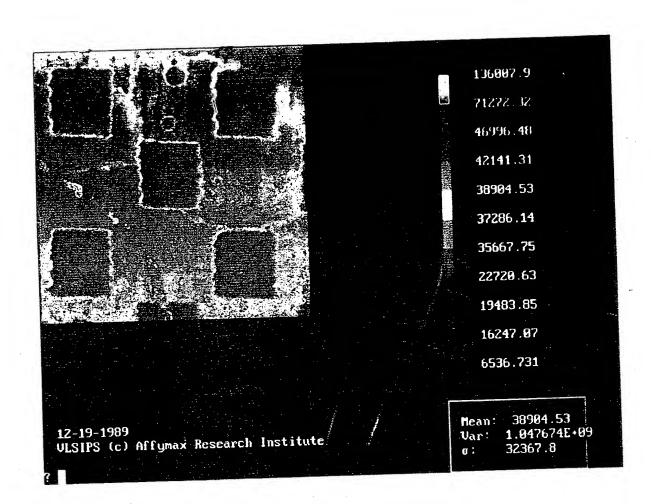
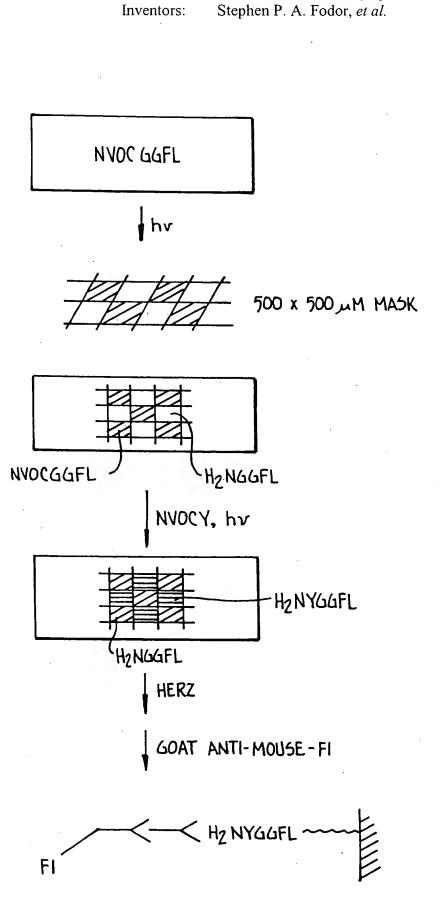


FIG. 18

Title: Arrays and Photolithographic . . Stephen P. A. Fodor, et al. Inventors:

FIGURE 19A



App No.:

Title:

09/653,761

Arrays and Photolithographic. . .

FIGURE 19B

App No.: 09/653,761 Title:

Arrays and Photolithographic ...

Stephen P. A. Fodor, et al. Inventors:

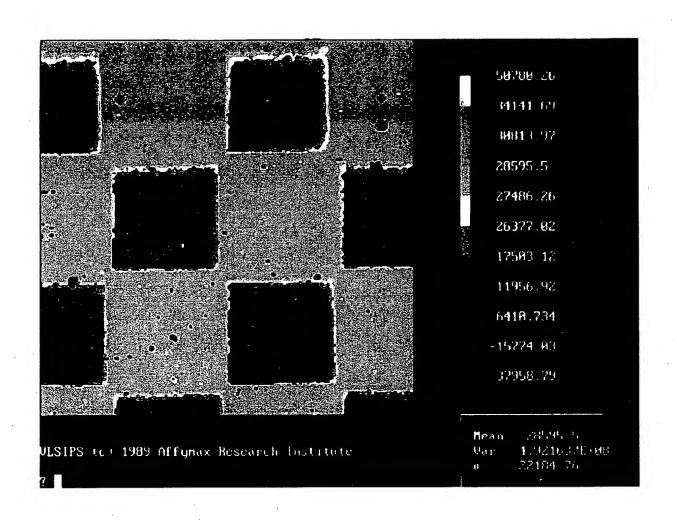


FIG. 19C

Title: Arrays and Photolithographic. . .

Inventors: Stephen P. A. Fodor, et al.

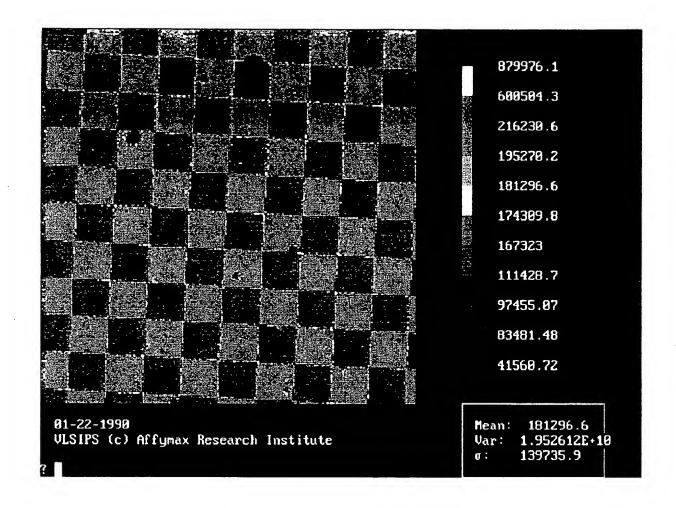


FIG. 19D

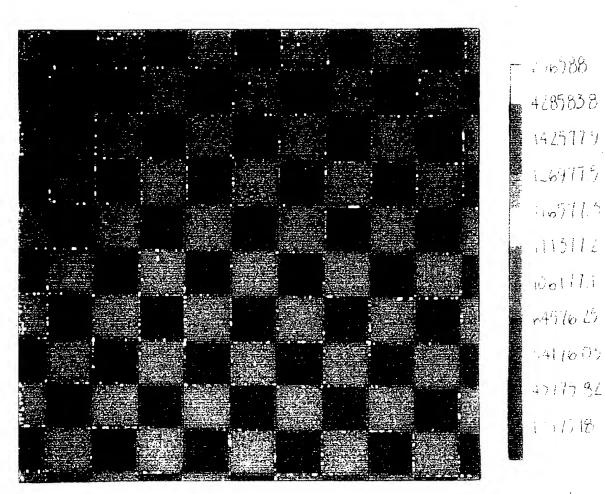
App No.: Title:

09/653,761

Arrays and Photolithographic. . .

Inventors:

Stephen P. A. Fodor, et al.



MEAN VAR 16771.5 181647E+10 14002.1

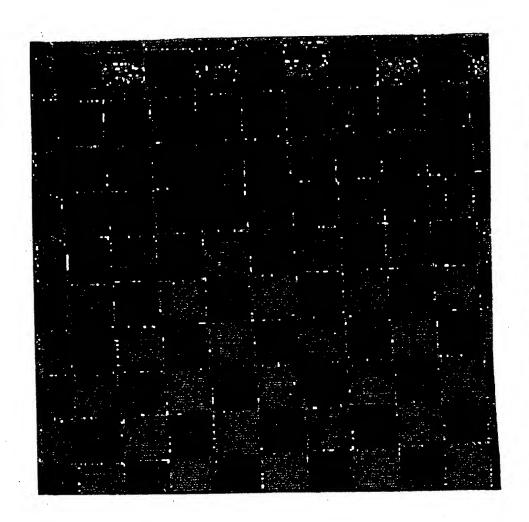
FIG. 20

App No.: Title: 09/653,761

Arrays and Photolithographic. . .

Inventors: Ste

Stephen P. A. Fodor, et al.



- 667348.3 453053 158397 142324.9 131610.1 126252.7 120895.3 78036.29 67321.52 56606.77 24462.47

MEAN: 1 VAR: 1. 0: 10

131610.1 1.148062E+10 107147.6

FIG. 21

App No.: Title: 09/653,761

Arrays and Photolithographic. . . Stephen P. A. Fodor, *et al*. Inventors:

Р	Α	5	4		
LPGFL	<u>LA</u> GFL	L5GFL	<u>L4</u> GFL	L	
<u>FP</u> 4FL	<u>FA</u> GFL	<u>F5</u> 4FL	<u>Fű</u> GFL	F	
<u>WP</u> GFL	<u>wa</u> gfl	<u>W5</u> 4FL	<u>WG</u> GFL	W	L SET
<u>YP</u> GFL	YAGFL	<u>Y5</u> 6FL	<u>166FL</u>	Y	

FIGURE 22A

Р	a	5	4		
Ypafl	<u>Ya</u> GFL	YsGFL	<u>Ya</u> GFL	Υ	
fpGFL	<u>fa</u> GFL	fs4FL	<u>f</u> 44FL	f	
wpGFL	wa GFL	<u>ws</u> GFL	<u>w</u> GGFL	w	D SET
YPGFL	<u>ya</u> GFL	<u>ys</u> 4FL	<u>y</u> GGFL	У	

FIGURE 22B

App No.: Title: Inventors: 09/653,761

Arrays and Photolithographic. . . Stephen P. A. Fodor, *et al.*

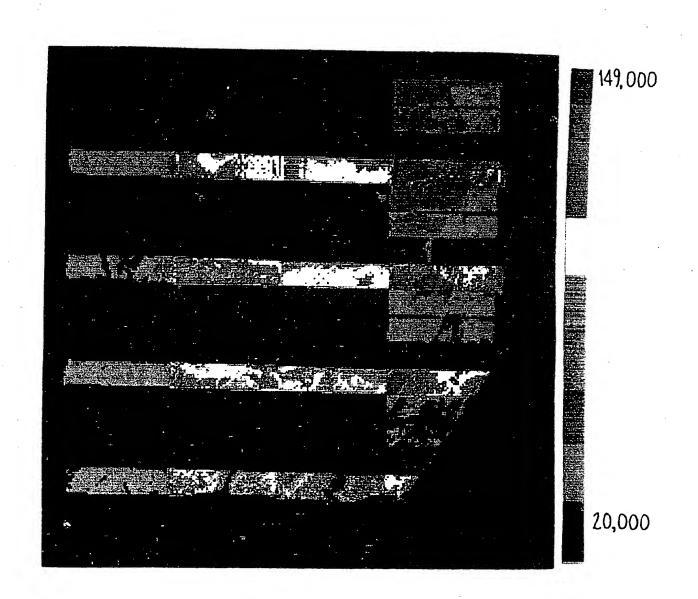


FIG. 23

App No.: Title: 09/653,761

Photolithographic and Other . . . Stephen P. A. Fodor, et al. Inventors:

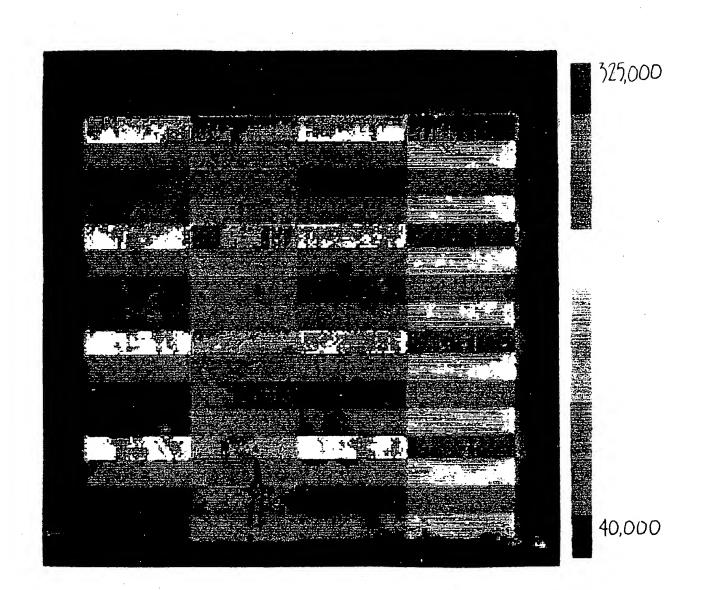


FIG.